

WHAT IS CLAIMED IS:

1. A wrench comprising:

a head and a handle connected to the head, the head having a hole defined therethrough and an engaging ring rotatably and retained in the hole,
5 the engaging ring having a plurality of ridges and grooves defined in an inner periphery of a passage of the engaging ring, the ridges and the grooves being alternatively arranged from each other in the inner periphery of the passage of the engaging ring, each ridge having an enlarged portion extending radially outward therefrom, a ratio for a width "W3" between the
10 two enlarged portions of two adjacent ridges and a width "W4" of a bottom of each groove being 1:1.2.

2. A socket comprising:

a tubular body and an engaging recess defined in a first end of the tubular body, an engaging part extending from a second end of the tubular
15 body and having a plurality of ridges and grooves defined in an outer periphery thereof, the ridges and the grooves being alternatively arranged from each other in the outer periphery of the engaging part, each ridge having an enlarged portion extending radially outward therefrom, a ratio for a width between the two enlarged portions of two adjacent ridges and a
20 width of a bottom of each groove being 1:1.2.

3. The socket as claimed in claim 2, wherein the engaging recess has a plurality of ridges and grooves defined in an inner periphery thereof, the ridges and the grooves being alternatively arranged from each other in

the inner periphery of the recess, each ridge having an enlarged portion extending radially outward therefrom, a ratio for a width between the two enlarged portions of two adjacent ridges and a width of a bottom of each groove being 1:1.2.

5 4. The socket as claimed in claim 2, wherein the recess is a hexagonal recess.

5. A socket comprising:

 a tubular body having a connection recess defined in a first end of the tubular body and an engaging recess defined in a second end of the
10 tubular body, the engaging recess having a plurality of ridges and grooves defined in an inner periphery thereof, the ridges and the grooves being alternatively arranged from each other in the inner periphery of the engaging recess, each ridge having an enlarged portion extending radially outward therefrom, a ratio for a width between the two enlarged portions of two
15 adjacent ridges and a width of a bottom of each groove being 1:1.2.